



THE LAKEHEAD AMATEUR RADIO CLUB JOURNAL

October 2006
Volume 72 Issue 8

HI-Q



VE3FW—LARC call sign



Inside this issue:

Last Meeting Minutes	2
Financial Report	3
Pictures of Field Day June 24, 2006	4
Welcome New Hams!	5
Photos	6
Amateur News	7
APRS - some views	8
On the Web	9
Editors QSK...	9
Club Executive	10
Public Service	10
Club Information	10
Membership Form	11

- Next Meeting
Thursday
October 12, 2006
at the McIntyre Building,
Confederation College
Room 191 at 7:30 pm
- 2006 - 2007 Membership
DUES are NOW DUE
- Check into the LARC
2 Meter ARES Net on YQT
every Tuesday evening at
7:00 pm local time

APRS

What is it?
What can we do with it?
Do I have to be a techno-geek?

Guest Speaker

Warren Paulson, **VE3FYN**

Will give us a great overview of this operating network
at the **October 12 General Meeting**

Imagine looking at your GPS unit and seeing all local hams, in real-time. Then imagine text-messaging them from your HT anywhere in the world. That's APRS, and it's up and running throughout the Northwest.

The presentation will cover the basics of APRS, or **Automatic Position Reporting System**. Developed by Bob Bruninga, WB4APR, in the 1990's, APRS uses packet technology to share GPS position information. What makes APRS powerful is the combination of the Internet to broaden its reach, and generic addressing to disperse itself easily via RF.

The presentation will cover the theory of APRS, so people can understand how it works. I will introduce some key software and hardware options for people to get started, and give some hands-on demonstrations of its application.

- Warren, **VE3FYN**

Don't miss this chance to hear the basics on how this system works!

LARC OPEN ACCESS REPEATERS

VE3YQT	Mount Baldy	147.060 (-600) Phone Patch
VE3TBR	St. Joseph's	146.820 (-600)
VE3BGA	Hillcrest H.S.	145.450 (-600) (IRLP Node VA3LU 123.0 Hz) 442.825 (+5 MHz) (100.0 Hz)
VE3UPP	Upsala	145.470 (-600)



LARC April 13, 2006 MINUTES

Terry, VA3LU



October 9, 2006

Minutes of meeting Sept. 12 2006

Meeting called to order 7:34 by President John **VA3JMS**.

Minutes of June 8, 2006 were read by Terry **VA3LU**, motion to accept by Bob **VE3BHN**, seconded by Mike **VE3ZG**, motion carried.

Financial report presented by Joe **VE3TBX**, motion to accept by Joe **VE3TBX**, seconded by Bob **VE3BHN**, motion carried.

Committee reports

Equipment Terry **VA3LU**, reported that auto patch was down and time on controller was off. We would try to get it fixed as soon as possible..

Public service Brad **VE3MXJ**

Canoe kayak race was a success, thanks to all involved.

Kids of steel, and the annual triathlon went as planned, thanks to all who helped.

Conquer the dog Aug 19 all went well.

Hymers Fall Fair display, seem to be a success again thanks to all who helped.

Canwarn John **VA3JMS**

John reported that this a very quiet year for us on the weather front and only two calls regarding weather warnings.

Old Business

Joe **VE3TBX** update on the last hats order.

New business

Bob **VE3RVA** reported that the college room rental was increased to \$75.00 for the upcoming year.

Elections

Mike **VE3ZG** took over the duties to run this year elections.

Results as follows

President Terry **VA3LU**

Vice President Bob **VE3RVA**

Secretary Judy **VA3EAP**

Treasurer Joe **VE3TBX**

Directors Mike **VE3ZG**

Brad **VE3MXJ**

Bill **VE3XT**

Randy **VA3OJ**

Motion to adjourn Bob **VE3BHN**



**Ted Bronson,
Royal Astronomical Society
of Canada, Thunder Bay,
gave us a great presentation
on solar viewing prior the
start of September's meeting**

The sky and sun fully
cooperated, with little
obstruction for viewing!

Marion **VE3MJN** views the sun's
surface as Ted assists



Joe VE3TBX

Lakehead Amateur Radio Club Treasurers Report

Opening Balance - Sept. 7th, 2006 **\$ 4,433.99**

Income

Ball Caps	\$	30.00
50/50 Draw	\$	13.50
Sale of Old Police Radios	\$	60.00
Donations	\$	65.00
Memberships	\$	965.00
Interest	\$	0.04

Total Income**\$ 1,133.54****Expenses**

Thunder Bay Telephone	\$	45.75
Bank Service	\$	1.00
Hymers Fair	\$	62.52
Equipment Maintenance	\$	73.72
Magnetic	\$	100.00

Total Expenses**\$ 282.99****Closing Balance - October 5th, 2006****\$ 5,284.54**

**Joe Coghlan - VE3TBX
Treasurer**



Views of Field Day June 24, 2006

Photos by Randy VA3OJ



(Continued on next page)



Views of Field Day June 24, 2006

Photos by Randy VA3OJ

(Continued)



Welcome New Hams

Six new hams joined our ranks so far in 2006

Adam Young **VE3MSI**
Carl Wood **VA3FLV**
John Hamlin **VA3JKH**
Brian Bolt **VA3BCQ**
Ryan Hamlin **VA3COO**
Lloyd Hamlin **VA3LDH**

Congratulations!!

Welcome to the Amateur Community



Brian Bolt **VA3BCQ**
photo by VA3PP

Anyone wishing to write
the Amateur exam,

contact

Fred Lesnick, **VE3FAL**
at: flesnick@tbaytel.net

807-577-0789

Accredited Examiner



Photos



Ha,

Now that's a MOBILE !!!

Can anyone in the club beat this?

-tnx to John, VE3EM!

Well Represented at Hymer's Fair 2006

Tnx to Judy VA3EAP for the photo





Amateur News

RAC Ontario North/East Region Director:

Two nominations were received for this position. Following a review of the documentation submitted and taking into account the constitutional and election process requirements the Committee determined that the nomination papers were complete and in order for Mr. Dave Goodwin, **VE3AAQ**, and Mr. Bill Unger, **VE3XT**. The Committee recommended a Ballot by Mail pursuant to Article 6 (Method of Election) in the Constitution, for Director, Ontario North/East Region for the 2007-2008 term. **Ed note:** RAC members should have received a voting ballot in the mail from RAC. Return promptly to ensure your vote is counted!

160-METER EXPERIMENT WILL EXPLORE MARCONI'S 1901 TRANSATLANTIC SUCCESS

A 160-meter beacon will take to the air this fall and winter from Cornwall, England, to explore how Guglielmo Marconi was able to span the Atlantic by wireless for the first time on December 12, 1901. Radio history says that's when the radio pioneer at a receiving station in Newfoundland successfully copied the Morse code letter "s" sent repeatedly by his team in the Cornwall town of Poldhu. The latter-day venture is a cooperative effort of the Poldhu Amateur Radio Club (PARK) in Cornwall and the Marconi Radio Club of Newfoundland (MCRN). The Poldhu club's Keith Matthew, G0WYS, said the 2001 centenary of Marconi's achievement reopened discussion into the mechanism by which the 1901 spark transmitter signal propagated.

"The winter of 1901 coincided with a sunspot minimum, and it was realized that this coming December 2006 should show similar conditions to those of December 1901," he said. Just how Marconi was able to receive the transatlantic transmission has long been a topic of discussion and even controversy, especially given the frequency Marconi is likely to have used, thought to be between 800 and 900 kHz, and the time of day, afternoon in Newfoundland.

"The beacon will help understand the possibility of low sunspot number transatlantic medium wave propagation 24 hours a day, but especially 1400 through 1800 UTC," Matthew said. The 160-meter amateur band is being used, he explained, because Marconi's original frequency today is a highly populated piece of the radio spectrum.

"It was realized that a clear channel would be necessary on the nearest amateur band, and a temporary license to operate a beacon on 160 meters has now been obtained," Matthew announced. Starting on or about November 1 and continuing through next February, the

GB3SSS beacon will transmit on 1960 kHz.

The 1960 kHz beacon will use a two-minute transmit sequence starting at the top of the hour. It will consist of a CW identification followed by a series of carrier bursts, each reducing in power by 6 dB. An identification in

PSK31 will follow. The transmit sequence will repeat at 15-minute intervals.

On the listening end in Newfoundland will be well-known low-frequency experimenter Joe Craig, VO1NA, of the MRCN, who lives near St John's. "This is a very exciting project," Craig said. "I am very grateful for the support from my fellow members in the club and our sister club, the Poldhu Amateur Radio Club." Craig offered his own observations on Marconi's 1901 feat in a

2001 article "Marconi's First Transatlantic Wireless Experiment," for The Canadian Amateur, the journal of Radio Amateurs of Canada (RAC) <<http://www.ucs.mun.ca/~jcraig/marconi.html>>. Also monitoring in North America will be the Antique Wireless Association's W2AN club station in upstate New York.

ARRL member and radio history buff Bart Lee, KV6LEE, proposed the 160-meter experiment to test the feasibility of Marconi's 1901 claimed achievement.

"Continuing cooperation between Canadian and British Amateur Radio operators can thus play a part in verification of one of the most interesting events in the history of our technology," Lee said in his article "A Plea for Timely Experiments" on the California Historical Radio Web site <<http://www.californiahistoricalradio.com/photos53.html>>. Lee and Matthew recently visited with Craig and other MRCN members in Newfoundland.

E-mail beacon reception reports <gb3sss@yahoo.co.uk>. The ARRL Letter Vol. 25, No. 40 October 6, 2006 The American Radio Relay League

LARC PUBLIC SERVICE

We had the HEART & STROKE WALK @ the Old Fort on Sept. 24 /06 with 8 operators participating.

Also Oct. 1/06 was the C.I.B.C. RUN FOR THE CURE , @ Fort William Stadium, with 5 operators. Thanks to those operator's.

Next up for public service is the SANTA CLAUS PARADE @ end of Nov. /06

Thanks Brad **VE3MXJ**

APRS

some views from Robert, VA3ROM



Above: Blue rectangles are other map views that are used for larger views of that area.

Below left: Information on vehicle being tracked

Below right: Weather station information

Truck KA8CVE-14

Lat. Long.

Time	Course	Height
22:16	340	639
	degrees	feet
Speed		
15.0	17.3	27.8
knots	mph	kmh

Beacon comment
/A=000639/Don's Tiny Trak3

Status text

Name Effective digi path

Frame
KA8CVE-14>APT311,KB8GVQ-15,WIDE1,W8EUP-15,WIDE2*,qAR,WD8J
VQ:

WX Station KB9VSQ-3

Lat. Long.

Speed	Gust	W'chill	Time	Humidity
0.0	0.0	15.6	22:28	75 %
m/sec	N m/sec	C		
Pressure				
1015.0 hPa 29.97 in				
Temperature				
15.6 C 60 F				
Dew-point				
11.1 C 52 F				
Rain Today				
0.0 mm 0.00 in				

Direction 044 degrees

Speed S	Gust	W'chill
0.0	0.0	60
mph	mph	F



Editors QSK...



ON THE WEB

thanks to
John,
VE3EMI



Some interesting Links

FCC ONLINE TABLE OF FREQUENCY ALLOCATIONS

<http://www.fcc.gov/oet/spectrum/table/fcctable.pdf>

Time on your hands?

<http://www.youtube.com/watch?v=yISqCAnROh8>
(video)

Vulnerability of Mobile Communication to Natural Hazards

http://www3.psepc-sppcc.gc.ca/research/resactivites/CI/climatechg/LappHancock_2001D004_ENG_CD_FINAL.pdf

My apologies to Robert, **VA3ROM**. Last month some of his submissions wound up with a 'VE' on his call rather than 'VA'.

Since the last issue, I now have a APRS setup at home, thanks to the efforts of Robert, **VA3ROM**. He took me through the pains of setting the program up on my old laptop with excellent results. Along with the setup, Robert took the time to explain how the system works with the program we used and how the items being viewed are handled by the software.

I would highly recommend attending this weeks meeting to get information on the APRS system to be presented by Warren, **VE3FYN**. The possibilities of this technology use seems to be endless!

One of the uses I have planned for this system is to have a localized mobile setup that would track one in a particular area when in unfamiliar wilderness. Even if out of range of a base type digi or station, by using a mobile with tracking hardware, perhaps with an extended antenna, a gps

equipped person can be tracked while wandering in unfamiliar territory. Fun to try in any event!

Well, that's about it for this issue.

Please send in any activities you have been involved in so this can be shared with others, along with any other articles, photos, ideas, that may be of interest.

Thanks to all the contributors for this months Hi-Q! Your newsletter is only as good as we all make it!

...-_-

73, Leo VE3ATC

email: ve3atc@spruce.ca

Ps. Not a writer and have a story or pictures? Contact me and I will help get it out!

Ps If you are interested in helping with Hi-Q publishing, offers are out to assist me with layout, content, reporting, etc. I guess this would be like a partner position. However, we can make up a great title for the position that will give you warm feelings all over! Contact me for further info!

**2006-2007
MEMBERSHIP
IS DUE !!!**

Fill out the attached
Membership Form

Next regular meeting

Thursday

October 12, 2006

McIntyre Building, Confederation
College

Room 191

Don't Forget to
Check in !!

**LARC ARES
2 Meter Net**



Every
Tuesday at
7:00 pm
On YQT !!

A BIT OF WIT - COMPUTERS

486: The average IQ needed to understand a PC.

State-of-the-art: Any computer you can't afford.

Obsolete: Any computer you own.

Microsecond: The time it takes for your state-of-the-art computer to become obsolete.

Syntax Error: Walking into a computer store and saying, "Hi, I want to buy a computer and money is no object."



THE LAKEHEAD AMATEUR RADIO CLUB JOURNAL

LARC—Suite 184
1100C Memorial Ave.
Thunder Bay, Ontario
Canada P7B 4A3

Club E-mail: VE3FW@rac.ca

LARC Website

<http://www.larclub.net>

Hi-Q Editor and Publisher

E-mail: ve3atc@spruce.ca
Leo VE3ATC 939-1020

Hi-Q is published monthly on the Sunday preceding the monthly meeting. Monthly meetings are held on the second Thursday of each month, except for July and August. Your submissions are welcome at any time. Submit early to ensure publication in next issue! Send to editor at ve3atc@spruce.ca



LARC is a member of [RAC](#)

LARC PUBLIC SERVICES

ARES

District Emergency Coordinator

VE3FAL Fred Lesnick 577-0789

Emergency Coordinator

VA3OJ Randy Gottfred 474-0910

CANWARN

VA3JMS John 767-3631

VE3MXJ Brad 767-0628

PUBLIC SERVICE EVENTS

VE3MXJ Brad 767-0628

VA3JMS John 767-3631

RAC

[Radio Amateurs of Canada](#)

LARC SENATE

Keith Fiske

VE3JQ

Pat Doherty

VE3PD

Dave Kimpton

VE3AVS

Laurie Bridgett

VE3BCD

Terry Stewardson

VA3LU

Ed Baumann

VE3SNW

LARC EXECUTIVE 2006—2007

President

Terry Stewardson VA3LU 577-9439

Vice-President

Bob Hansen VE3RVA 767-6924

Secretary

Judy Artist VA3EAP

Treasurer

Joe Coghlan VE3TBX 344-6566

Directors

Brad Harris VE3MXJ 767-0628

Randy Gottfred VA3OJ 474-0910

Mike Nawrocki VE3ZG

Bill Unger VE3XT 344-1848

Past President

Jim Sacek VA3JMS 767-3631

About LARC

Lakehead Amateur Radio Club members have all levels of interest and knowledge in the wide spectrum of amateur radio.

Monthly meetings and contact with other members allow us to share and discuss different ideas, and to learn from each other.

LARC membership meetings are held the second Thursday of each month, September through June at 7:30 PM local time at the McIntyre Building, Confederation College Room 191

Each meeting consists of a mix of technical and light-hearted topics, with a break for meeting friends and new friends.

Anyone with an interest in ham radio is invited to join us.

Amateur radio classes are also administered by LARC to help you with your Amateur Radio License

contact any of the Executive members above for more information

**2005/2006 MEMBERSHIP/RENEWAL APPLICATION****LAKEHEAD AMATEUR RADIO CLUB INC****1100C MEMORIAL AVE, SUITE 184,
THUNDER BAY, ONT P7B4A3****CLASS OF MEMBERSHIP****FULL MEMBERSHIP \$35.00-open only to licensed amateurs**

NAME: _____ EMAIL: _____

ADDRESS: _____ CITY _____

TELEPHONE: () _____ POSTAL CODE _____

MAY WE PUBLISH THE PHONE NUMBER yes / no

MAY WE DELIVER HI-Q BY E-MAIL? yes / no

CALL(S) _____

**FAMILY MEMBERSHIP- immediate family residing at the same address holding licenses.
\$35.00 plus \$10.00 for each additional amateur.****NAMES AND CALLS**_____

_____**STUDENT MEMBERSHIP- \$15.00-open to persons enrolled full time in an education
facility, list School and program _____****ASSOCIATE MEMBERSHIP-\$20.00-upon approval of the Board and open to:****1)Non holders of an amateur radio license.****2)Licensed amateurs living outside the immediate Thunder Bay area or are unable to attend regular
meetings of the club.****If you feel you qualify for associate membership, please indicate why, on a separate sheet, to be used
by the Board to consider your application.****Please mail or bring this form to the next meeting with your cash or cheque for membership fees.****Cheques should be made payable to Lakehead Amateur Radio Club.****Applications and cheques can also be dropped off at the above address.**